
2 Product specifications

2-1 Fashion Feature

Supreme Digital Interface & Networking

-With a built-in HD digital tuner, it supports HD broadcasting with no particular set-top box and provides simple access with a single remote control.

Excellent Picture Quality

-DNIe technology provides life-like clear images.

My Color Control

-Colors can be set to your preference by adjusting Red, Green, Blue, Yellow, Pink and White.

Dynamic Contrast

-Automatically detects the input visual signal and adjusts to create optimum contrast.

Brightness Sensor

-Adjusts the screen brightness automatically depending on the brightness of the surrounding environment.

SRS TruSurround XT

-SRS TruSurround XT provides a virtual Dolby surround system.

Convenience

-The TV utilizes the HDMI system to implement perfect digital sound and picture quality.
The Anynet system enables you to easily control Samsung audio-video (AV) devices from this TV.

2-2 LE23R86BD Specifications

Item	Description	
LCD Panel	TFT-LCD panel, RGB vertical stripe, normally white, 23-Inch viewable, 0.4215(H) x 0.4215(V) mm pixel pitch	
Scanning Frequency	Horizontal : 30 kHz ~ 61 kHz (Automatic) / Vertical : 60 Hz ~ 75 Hz (Automatic)	
Display Colors	16,777,216 colours	
Maximum Resolution	Horizontal : 1366 Pixels Vertical : 768 Pixels	
Input Video Signal	Analog 0.7 Vp-p $\pm$ 5% positive at 75 Ω , internally terminated	
Input Sync Signal	Type : Seperate H/V Level : TTL level	
Maximum Pixel Clock rate	80 MHz	
Active Display Horizontal/Vertical	556.4 mm / 339.8 mm	
AC power voltage & Frequency	AC 220 ~ 240 V, 60/50 Hz	
Power Consumption	90 W < 1 W	
Dimensions(W x D x H) Set	586 x 216 x 445 mm (After installation Stand) 586 x 83.5 x 405.5 mm (Without stand)	
Weight Set(After installation Stand)	8.1Kg	
TV System	Tunning	Frequency Synthesize
	System	PAL, SECAM
	Sound	MONO, STEREO, NICAM
Environmental Considerations	Operating Temperature : 50°F ~ 104°F (10°C ~ 40°C) Operating Humidity : 10 % ~ 80 % Storage Temperature : -4°F ~ 113°F (-20°C ~ 45°C) Storage Humidity : 5 % ~ 95 %	
Antenna Input	75 Ω	
Sound Characteristic	-MAX Internal speaker Out : Right : 5W / Left : 5W -BASS Control Range : -8 dB ~ +8dB -TREBLE Control Range : -8 dB ~ +8 dB -Headphone Out : 10 mW MAX -Output Frequency : RF : 80 Hz ~ 15 kHz AV : 80 Hz ~ 20 kHz	

2-3 LE26R86BD Specifications

Item	Description	
LCD Panel	TFT-LCD panel, RGB vertical stripe, normally white, 26-Inch viewable, 0.4215(H) x 0.4215(V) mm pixel pitch	
Scanning Frequency	Horizontal : 30 kHz ~ 61 kHz (Automatic) / Vertical : 60 Hz ~ 75 Hz (Automatic)	
Display Colors	16,777,216 colours	
Maximum Resolution	Horizontal : 1366 Pixels Vertical : 768 Pixels	
Input Video Signal	Analog 0.7 Vp-p $\pm$ 5% positive at 75 Ω , internally terminated	
Input Sync Signal	Type : Seperate H/V Level : TTL level	
Maximum Pixel Clock rate	80 MHz	
Active Display Horizontal/Vertical	556.4 mm / 339.8 mm	
AC power voltage & Frequency	AC 220 ~ 240 V, 60/50 Hz	
Power Consumption	135 W < 1 W	
Dimensions(W x D x H) Set	666 x 216 x 449.5 mm (After installation Stand) 666 x 85 x 460.5 mm (Without stand)	
Weight Set(After installation Stand)	9.8Kg	
TV System	Tunning	Frequency Synthesize
	System	PAL, SECAM
	Sound	MONO, STEREO, NICAM
Environmental Considerations	Operating Temperature : 50°F ~ 104°F (10°C ~ 40°C) Operating Humidity : 10 % ~ 80 % Storage Temperature : -4°F ~ 113°F (-20°C ~ 45°C) Storage Humidity : 5 % ~ 95 %	
Antenna Input	75 Ω	
Sound Characteristic	-MAX Internal speaker Out : Right : 5W / Left : 5W -BASS Control Range : -8 dB ~ +8dB -TREBLE Control Range : -8 dB ~ +8 dB -Headphone Out : 10 mW MAX -Output Frequency : RF : 80 Hz ~ 15 kHz AV : 80 Hz ~ 20 kHz	

2-4 LE32R86BD Specifications

Item	Description	
LCD Panel	TFT-LCD panel, RGB vertical stripe, normally white, 32-Inch viewable, 0.511 (H) x 0.511 (V) mm pixel pitch	
Scanning Frequency	Horizontal : 30 kHz ~ 61 kHz (Automatic) / Vertical : 60 Hz ~ 75 Hz (Automatic)	
Display Colors	16,777,216 colours	
Maximum Resolution	Horizontal : 1366 Pixels Vertical : 768 Pixels	
Input Video Signal	Analog 0.7 Vp-p $\pm$ 5% positive at 75 Ω , internally terminated	
Input Sync Signal	Type : Seperate H/V Level : TTL level	
Maximum Pixel Clock rate	80 MHz	
Active Display Horizontal/Vertical	556.4 mm / 339.8 mm	
AC power voltage & Frequency	AC 220 ~ 240 V, 60/50 Hz	
Power Consumption	155 W < 1 W	
Dimensions(W x D x H) Set	800 x 252 x 580.5 mm (After installation Stand) 800 x 91 x 541 mm (Without stand)	
Weight Set(After installation Stand)	8.1Kg	
TV System	Tuning	Frequency Synthesize
	System	PAL, SECAM
	Sound	MONO, STEREO, NICAM
Environmental Considerations	Operating Temperature : 50°F ~ 104°F (10°C ~ 40°C) Operating Humidity : 10 % ~ 80 % Storage Temperature : -4°F ~ 113°F (-20°C ~ 45°C) Storage Humidity : 5 % ~ 95 %	
Antenna Input	75 Ω	
Sound Characteristic	-MAX Internal speaker Out : Right : 5W / Left : 5W -BASS Control Range : -8 dB ~ +8dB -TREBLE Control Range : -8 dB ~ +8 dB -Headphone Out : 10 mW MAX -Output Frequency : RF : 80 Hz ~ 15 kHz AV : 80 Hz ~ 20 kHz	

2-5 LE37R86BD Specifications

Item	Description	
LCD Panel	TFT-LCD panel, RGB vertical stripe, normally white, 37-Inch viewable, 0.511 (H) x 0.511 (V) mm pixel pitch	
Scanning Frequency	Horizontal : 30 kHz ~ 61 kHz (Automatic) / Vertical : 60 Hz ~ 75 Hz (Automatic)	
Display Colors	16,777,216 colours	
Maximum Resolution	Horizontal : 1366 Pixels Vertical : 768 Pixels	
Input Video Signal	Analog 0.7 Vp-p $\pm$ 5% positive at 75 Ω , internally terminated	
Input Sync Signal	Type : Seperate H/V Level : TTL level	
Maximum Pixel Clock rate	80 MHz	
Active Display Horizontal/Vertical	556.4 mm / 339.8 mm	
AC power voltage & Frequency	AC 220 ~ 240 V, 60/50 Hz	
Power Consumption	205 W < 1W	
Dimensions(W x D x H) Set	916.5 x 300 x 660.5 mm (After installation Stand) 916.5 x 107.3 x 618.2 mm (Without stand)	
Weight Set(After installation Stand)	20.1Kg	
TV System	Tuning	Frequency Synthesize
	System	PAL, SECAM
	Sound	MONO, STEREO, NICAM
Environmental Considerations	Operating Temperature : 50°F ~ 104°F (10°C ~ 40°C) Operating Humidity : 10 % ~ 80 % Storage Temperature : -4°F ~ 113°F (-20°C ~ 45°C) Storage Humidity : 5 % ~ 95 %	
Antenna Input	75 Ω	
Sound Characteristic	-MAX Internal speaker Out : Right : 5W / Left : 5W -BASS Control Range : -8 dB ~ +8dB -TREBLE Control Range : -8 dB ~ +8 dB -Headphone Out : 10 mW MAX -Output Frequency : RF : 80 Hz ~ 15 kHz AV : 80 Hz ~ 20 kHz	

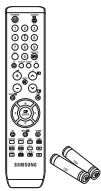
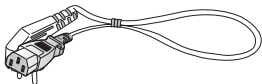
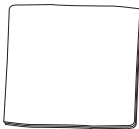
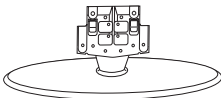
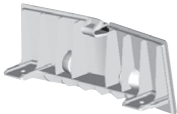
2-6 LE40R86BD Specifications

Item	Description	
LCD Panel	TFT-LCD panel, RGB vertical stripe, normally white, 40-Inch viewable, 0.648(H) x 0.216(V) mm pixel pitch	
Scanning Frequency	Horizontal : 30 kHz ~ 61 kHz (Automatic) / Vertical : 60 Hz ~ 75 Hz (Automatic)	
Display Colors	16,777,216 colours	
Maximum Resolution	Horizontal : 1366 Pixels Vertical : 768 Pixels	
Input Video Signal	Analog 0.7 Vp-p $\pm$ 5% positive at 75 Ω , internally terminated	
Input Sync Signal	Type : Seperate H/V Level : TTL level	
Maximum Pixel Clock rate	80 MHz	
Active Display Horizontal/Vertical	556.4 mm / 339.8 mm	
AC power voltage & Frequency	AC 220 ~ 240 V, 60/50 Hz	
Power Consumption	210 W < 1W	
Dimensions(W x D x H) Set	991.5 x 300 x 697.5 mm (After installation Stand) 991.5 x 107.3 x 654.6 mm (Without stand)	
Weight Set(After installation Stand)	21.1Kg	
TV System	Tuning	Frequency Synthesize
	System	PAL, SECAM
	Sound	MONO, STEREO, NICAM
Environmental Considerations	Operating Temperature : 50°F ~ 104°F (10°C ~ 40°C) Operating Humidity : 10 % ~ 80 % Storage Temperature : -4°F ~ 113°F (-20°C ~ 45°C) Storage Humidity : 5 % ~ 95 %	
Antenna Input	75 Ω	
Sound Characteristic	-MAX Internal speaker Out : Right : 5W / Left : 5W -BASS Control Range : -8 dB ~ +8dB -TREBLE Control Range : -8 dB ~ +8 dB -Headphone Out : 10 mW MAX -Output Frequency : RF : 80 Hz ~ 15 kHz AV : 80 Hz ~ 20 kHz	

2-7 Spec Comparison

Model	LE26R51B / LE32R51B / LE40R51B	LE23R86BD/LE26R86BD/ LE32R86BD/LE37R86BD/ LE40R86BD
Design		
Frequency		
Horizontal	30 ~ 61 kHz	30 ~ 61 kHz
Vertical	60 ~ 75 Hz	60 ~ 75 Hz
Display Color	16,777,216 colors	16,777,216 colors
PC Resolution		
Maximum mode	WXGA, 1360 x 768 @ 60 Hz	WXGA, 1366 x 768 @ 60 Hz
Input Signal		
Sync Signal	H/V Separate, TTL, P. or N.	H/V Separate, TTL, P. or N.
Video Signal	0.7 Vp-p @ 75ohm	0.7 Vp-p @ 75ohm
Power Consumption		
Normal	140W / 184W / 285W	90W / 135W / 155W / 205W / 210W
Power Saving	< 1W	< 1W

2-8 Option Specification

Item	Item Name	Code.No	Remark
	Remote Control & Batteries (AAA x 2)	BN59-00603A	
	Power Cord	3903-000042	
	Cleaning Cloth	BN63-001798A	
	Stand	26" : BN90-00848A 32" : BN90-00842A 40" : BN90-00847A	
	Stand Screw		
	Cover-Bottom	26" : BN63-02323A 32" : BN63-02323A 40" : BN63-02366A	